

COMPOSITE STRUCTURAL REINFORCEMENT DEVICE

Abstract

A composite structural reinforcement device to be applied to structural members by wrapping in successive overlying layers includes a body formed of a first ply of resin impregnated high tensile strength material, a second ply of resin impregnated high tensile strength material, a magnetically detectable ply disposed and bonded between the first and second plies, an interlock means for mechanically interlocking successive layers as the device is applied to a structural member, and an alignment means for aligning successive layers of the device in overlying relation. Various alternative embodiments and various combinations of features are disclosed.

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